

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P416112

Luminaire Tested: **LXF.LXT-PA1-60-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5948 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

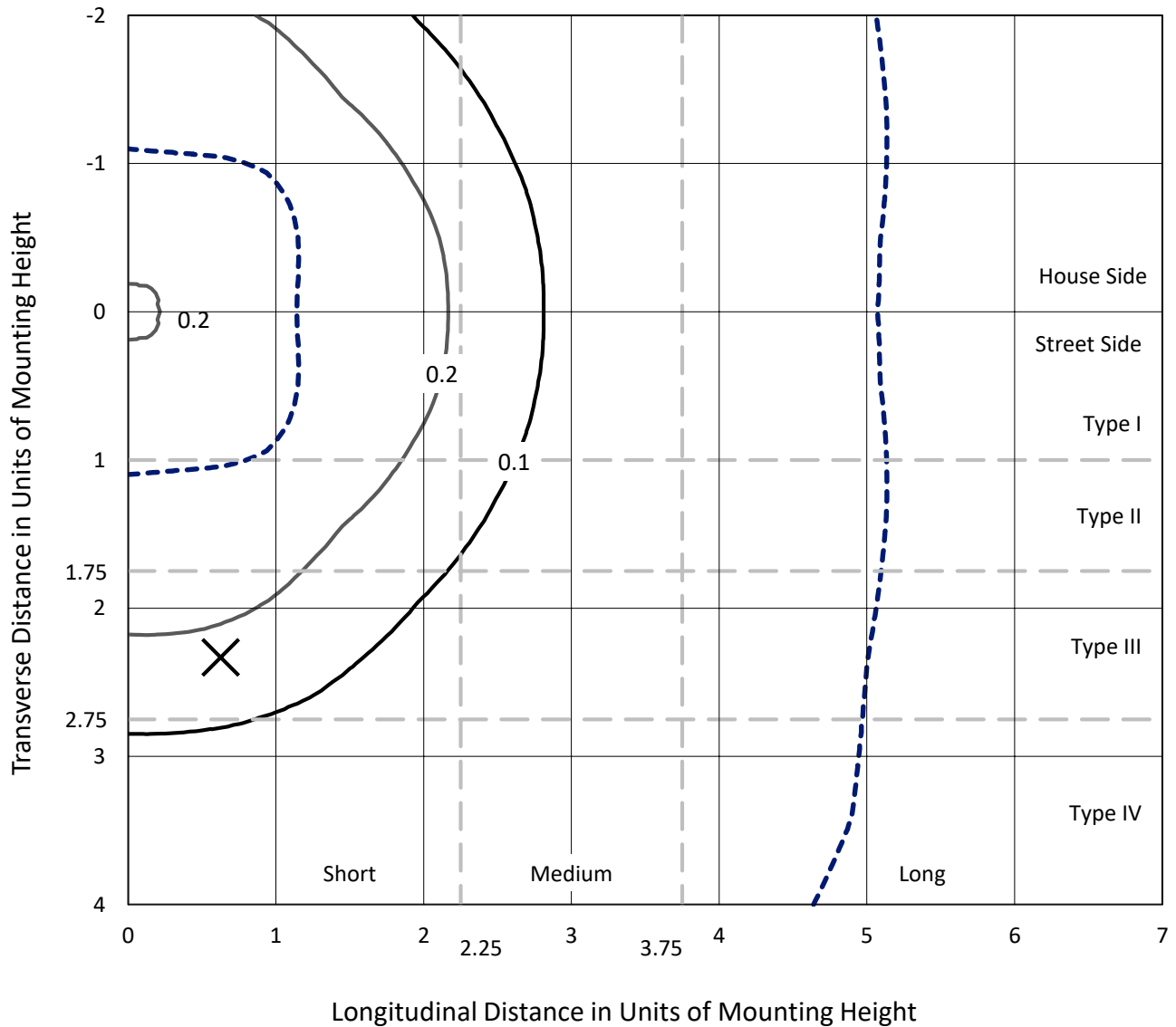


REPORT NUMBER: P416112

CATALOG NUMBER: LXF.LXT-PA1-60-830-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

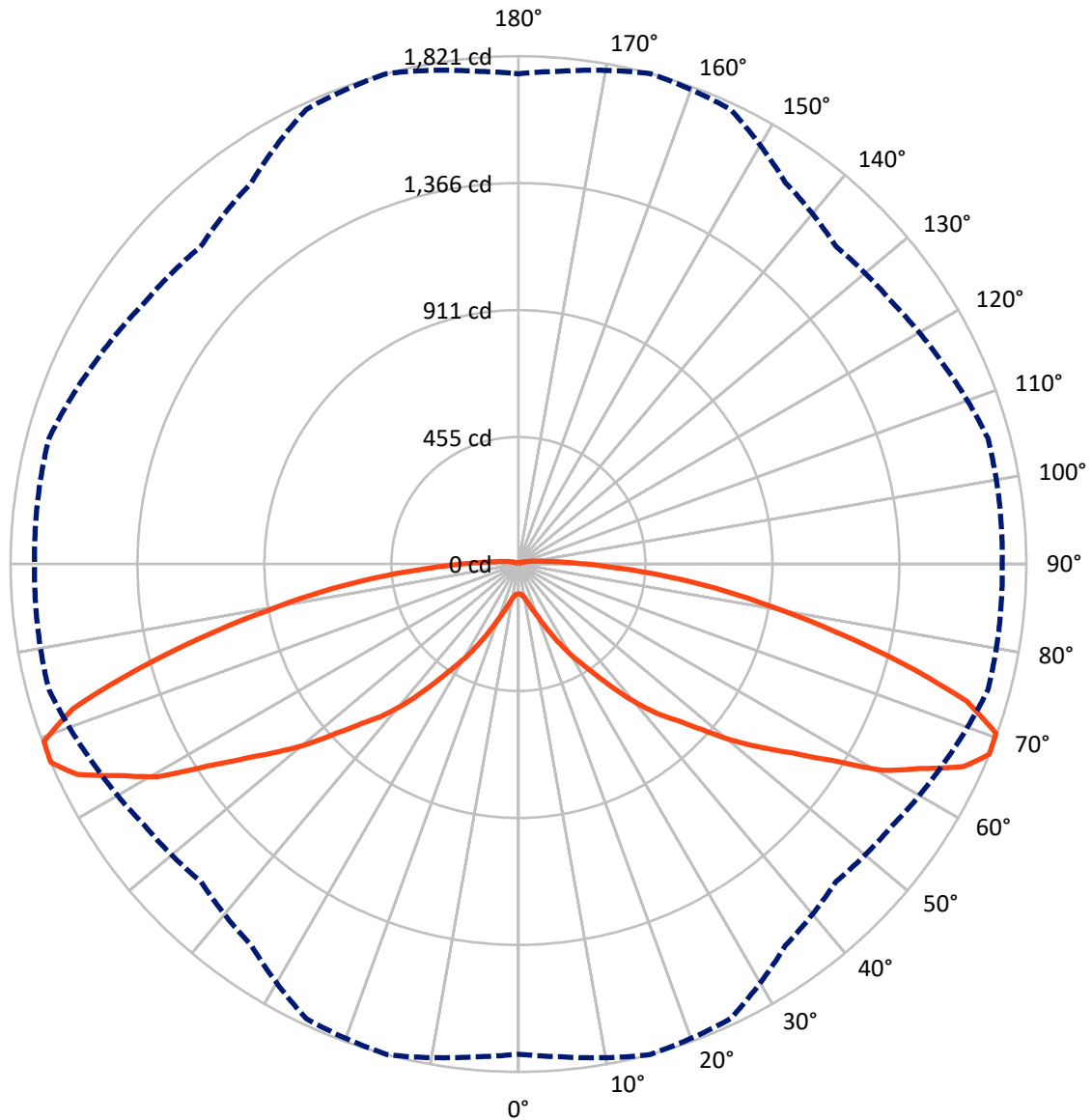


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P416112

CATALOG NUMBER: LXF.LXT-PA1-60-830-U-5WQ-A

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-5WQ-A

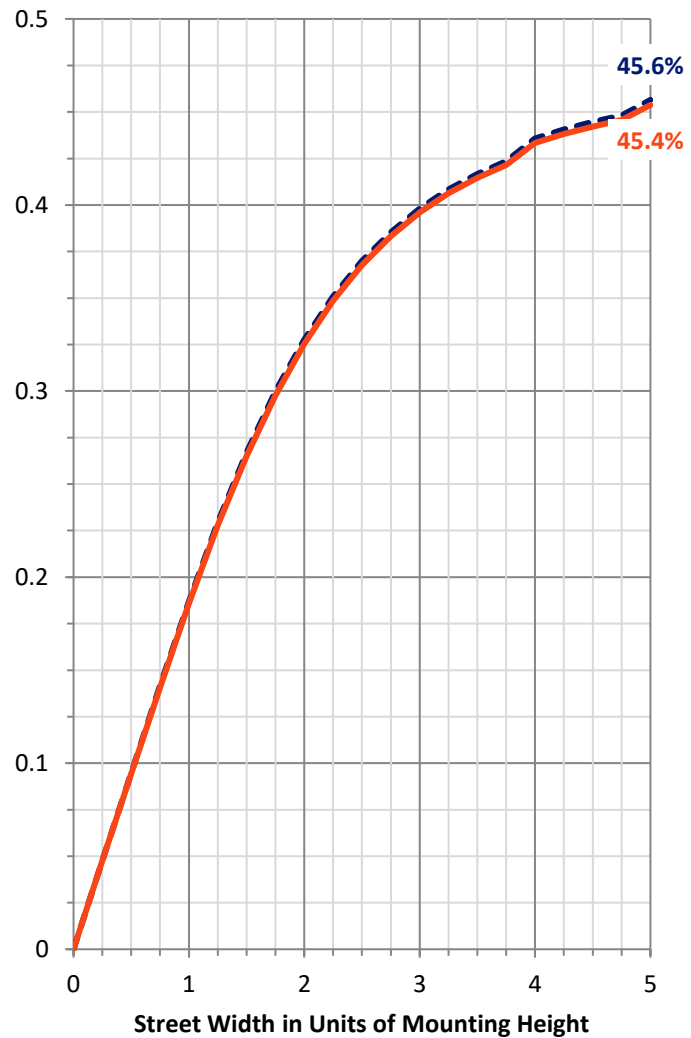
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2856.6	117.4	2974.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2856.6	117.4	2974.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	5713.3	234.7	5948.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.2
10°-20°	44.4	0.7
20°-30°	128.1	2.2
30°-40°	301.6	5.1
40°-50°	568.5	9.6
50°-60°	1013.8	17.0
60°-70°	1602.8	26.9
70°-80°	1412.1	23.7
80°-90°	631.2	10.6
90°-100°	156.7	2.6
100°-110°	43.2	0.7
110°-120°	17.3	0.3
120°-130°	9.2	0.2
130°-140°	5.4	0.1
140°-150°	2.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5713.3	96.1
0°-180°	5948.0	100.0



--- HS — SS

REPORT NUMBER: P416112

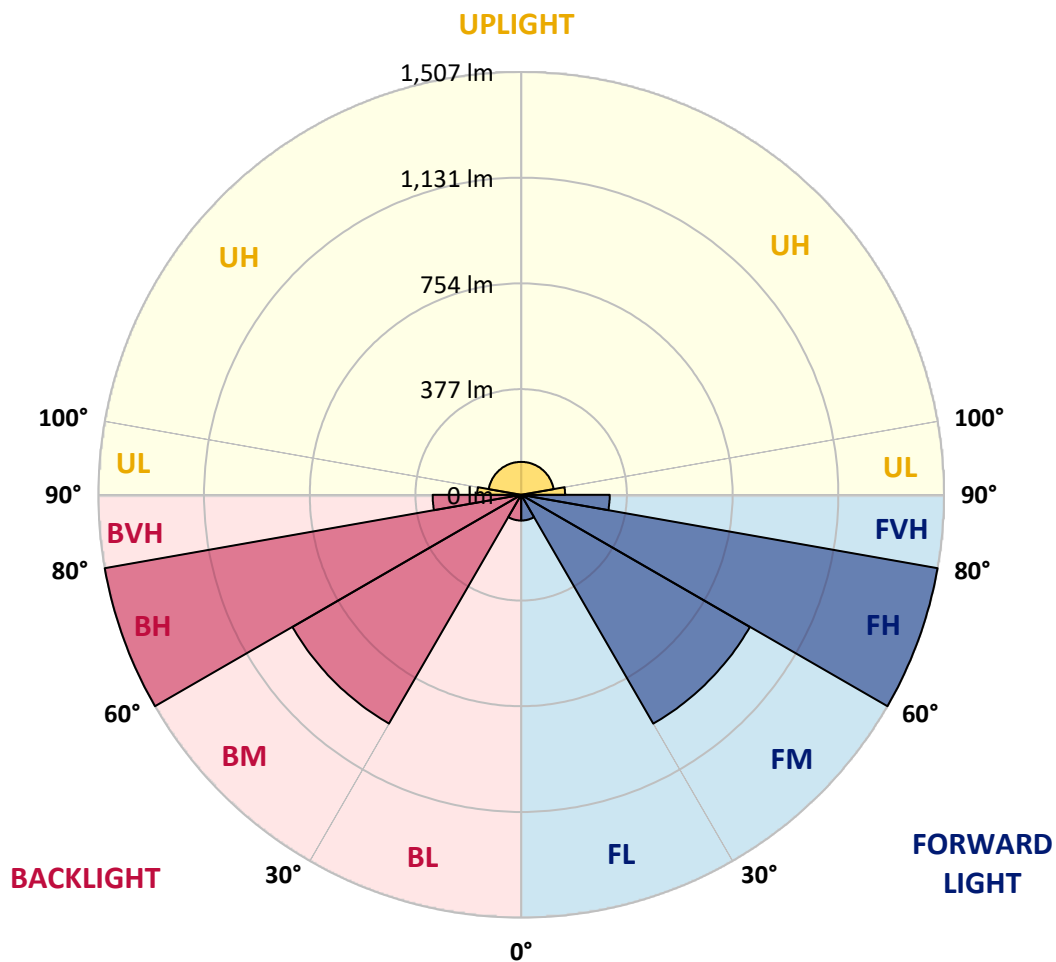
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.7	1.5			
FM	(30°-60°)	941.9	15.8			
FH	(60°-80°)	1507.5	25.3			G1/1800
FVH	(80°-90°)	315.6	5.3			G3/500
BL	(0°-30°)	91.7	1.5	B0/110		
BM	(30°-60°)	941.9	15.8	B1/1000		
BH	(60°-80°)	1507.5	25.3	B3/2500		G1/1800
BVH	(80°-90°)	315.6	5.3			G3/500
UL	(90°-100°)	156.7	2.6		U3/500	
UH	(100°-180°)	117.4	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
2.5°	107.0	107.0	107.6	107.6	108.3	108.9	108.3	107.6	107.0	106.3	106.3
5°	110.2	110.2	110.2	110.2	110.9	110.9	110.2	108.9	108.3	107.6	107.6
7.5°	115.4	115.4	115.4	115.4	115.4	114.8	113.5	112.2	111.5	110.9	110.9
10°	123.8	123.8	122.5	122.5	121.9	121.2	119.9	118.6	117.3	118.0	118.0
12.5°	138.1	138.7	136.8	133.6	131.0	129.7	129.0	129.0	131.0	131.0	131.6
15°	158.8	158.8	155.6	151.1	145.9	142.0	143.3	146.5	149.8	151.7	151.7
17.5°	181.5	181.5	178.3	172.5	165.3	163.4	162.7	166.0	173.1	175.7	176.3
20°	210.1	210.1	204.2	195.8	189.3	186.7	186.7	191.9	199.7	205.5	204.9
22.5°	249.0	248.3	239.9	225.6	217.2	213.3	212.6	219.8	233.4	242.5	245.1
25°	295.6	295.0	284.0	265.2	252.2	241.8	244.4	256.7	277.5	291.7	291.7
27.5°	348.8	346.2	331.9	311.2	291.7	278.1	282.0	299.5	325.5	344.9	345.5
30°	400.7	400.7	385.1	360.5	334.5	317.7	322.2	346.8	378.0	408.4	409.1
32.5°	455.8	455.1	435.7	411.0	379.3	360.5	367.6	398.1	442.1	477.2	483.6
35°	526.4	527.1	499.8	466.1	425.9	405.2	414.9	454.5	507.0	549.1	553.0
37.5°	602.3	606.2	576.3	532.9	479.1	453.8	468.1	514.1	575.1	619.1	619.1
40°	684.0	685.9	658.7	603.6	538.7	505.7	524.5	573.8	620.4	658.0	660.0
42.5°	753.3	755.3	733.9	680.1	607.5	567.9	578.9	616.5	660.6	702.8	706.7
45°	807.8	814.3	801.3	755.3	681.4	633.4	632.1	670.4	723.5	767.6	772.8
47.5°	906.3	909.6	886.9	832.4	757.2	704.7	699.5	737.8	807.1	854.5	857.7
50°	993.2	1002.9	994.5	936.2	846.7	783.2	783.8	834.4	909.6	957.6	962.1
52.5°	1091.1	1095.6	1093.0	1043.1	956.3	881.1	889.5	946.5	1027.6	1057.4	1062.6
55°	1180.6	1187.7	1196.8	1159.8	1073.6	1007.5	1015.3	1076.2	1130.7	1159.2	1161.8
57.5°	1322.6	1329.7	1329.0	1274.6	1200.7	1136.5	1149.5	1197.4	1268.7	1317.4	1325.8
60°	1476.8	1487.2	1503.4	1432.8	1321.9	1277.2	1293.4	1362.7	1443.8	1450.9	1460.0
62.5°	1579.9	1585.1	1615.6	1592.2	1463.2	1409.4	1452.2	1511.2	1553.3	1559.8	1557.2
65°	1714.8	1731.6	1753.0	1699.2	1595.5	1521.6	1570.9	1614.9	1690.8	1697.3	1696.0
67.5°	1757.6	1773.8	1821.1	1799.1	1669.4	1610.4	1635.7	1684.3	1742.7	1737.5	1734.9
70°	1760.8	1776.4	1816.6	1804.9	1686.3	1604.6	1630.5	1649.3	1703.1	1703.8	1696.6
72.5°	1584.5	1611.7	1680.4	1701.2	1597.4	1513.8	1515.7	1515.1	1519.0	1476.2	1459.3
75°	1334.9	1354.3	1421.7	1471.7	1418.5	1346.5	1345.2	1290.8	1279.1	1246.7	1235.0
77.5°	1069.1	1093.0	1157.9	1212.3	1193.5	1154.6	1134.5	1073.0	1056.1	1019.1	1023.7
80°	831.1	849.9	914.1	984.8	990.0	962.7	940.7	890.1	857.1	825.9	812.3
82.5°	639.9	656.1	711.2	787.7	819.5	816.2	785.1	728.1	698.2	668.4	650.9
85°	442.1	456.4	510.9	603.6	660.6	680.7	645.7	573.8	520.6	478.5	468.7
87.5°	285.3	291.7	335.2	415.6	501.1	548.5	511.5	421.4	354.6	320.9	309.9
90°	178.3	188.0	219.1	269.0	352.7	413.0	375.4	284.0	236.0	201.6	194.5
92.5°	123.8	122.5	143.9	178.9	240.5	289.8	257.4	188.0	149.1	126.4	121.9
95°	81.7	84.9	96.6	118.6	162.7	193.2	169.9	125.1	97.9	81.7	79.7
97.5°	60.9	61.6	70.7	84.3	110.9	127.1	112.8	86.9	69.4	59.0	58.3
100°	48.0	48.6	55.1	62.9	77.8	88.2	79.1	65.5	53.8	46.0	46.0
102.5°	37.6	38.3	42.8	49.3	59.0	65.5	60.3	50.6	42.1	36.3	35.7
105°	29.8	29.8	33.7	38.9	46.0	50.6	47.3	39.5	32.4	28.5	28.5
107.5°	23.3	24.0	26.6	30.5	37.0	41.5	37.6	30.5	25.3	22.0	22.0
110°	18.8	18.8	20.7	24.6	29.8	33.7	30.5	24.6	20.1	18.2	18.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.6	15.6	16.9	20.1	24.6	27.9	24.6	20.1	16.2	14.9	14.9
115°	13.0	13.0	14.3	16.2	20.7	22.7	20.7	16.2	13.6	12.3	12.3
117.5°	11.7	11.7	12.3	14.3	17.5	18.8	17.5	13.6	11.7	11.0	11.0
120°	10.4	10.4	11.0	12.3	14.9	16.2	14.9	12.3	10.4	9.7	9.7
122.5°	9.7	9.7	9.7	11.0	13.6	14.3	13.0	11.0	9.1	9.1	9.1
125°	9.1	9.1	9.1	9.7	11.7	12.3	11.7	9.7	8.4	8.4	8.4
127.5°	8.4	8.4	8.4	9.1	10.4	11.0	10.4	9.1	7.8	7.8	7.8
130°	8.4	8.4	7.8	8.4	9.1	9.7	9.1	8.4	7.8	7.1	7.8
132.5°	7.8	7.8	7.8	7.8	8.4	8.4	8.4	7.8	7.1	7.1	7.1
135°	7.1	7.1	6.5	6.5	7.1	7.8	7.1	6.5	6.5	6.5	6.5
137.5°	6.5	5.8	5.8	5.8	6.5	6.5	6.5	5.8	5.8	5.8	5.8
140°	5.2	5.2	5.2	5.2	5.2	5.8	5.2	4.5	4.5	5.2	5.2
142.5°	4.5	4.5	4.5	3.9	4.5	4.5	4.5	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.2	3.9	3.9	3.9	3.2	3.2	3.2	3.2
147.5°	2.6	3.2	2.6	2.6	3.2	3.2	2.6	2.6	2.6	2.6	2.6
150°	1.9	1.9	1.9	1.9	2.6	2.6	1.9	1.9	1.9	1.9	1.9
152.5°	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	1.9	1.9	1.3	1.3	1.3	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	1.3	1.9	1.3	0.6	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.6	1.3	1.9	1.3	0.6	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)